

## **I CLAIM:**

1. A method for forming a pattern on a shoe sole, said method comprising:

providing a film,

5       shaping at least one recess in said film to have a shape corresponding to that of the shoe sole to be manufactured, and molding a material into said at least one recess of said film, to have said material and said film secured together and to form the shoe sole.

10       2. The method as claimed in claim 1 further comprising providing at least one pattern on said film.

3. The method as claimed in claim 2, wherein said at least one pattern is arranged between said film and said material.

15       4. The method as claimed in claim 1 further comprising heating said film before shaping said at least one recess in said film.

5. The method as claimed in claim 3 further comprising providing a mold device to heat said film and to shape said at least one recess in said film.

20       6. The method as claimed in claim 5 further comprising providing a heating member in said mold device to heat said film.

7. The method as claimed in claim 5 further comprising providing and attaching a cover onto said mold device to form a mold chamber between said mold device and said cover.

25       8. The method as claimed in claim 5 further comprising vacuuming said mold device to shape said film.

9. The method as claimed in claim 8 further comprising providing at least one orifice in said mold device to vacuum said

mold device.

10. The method as claimed in claim 1 further comprising providing a mold piece to mold and form the shoe sole.

11. The method as claimed in claim 10 further comprising  
5 providing a mold cavity in said mold piece to receive said film, and to mold and form the shoe sole.

12. The method as claimed in claim 10 further comprising providing at least one swelling in said mold piece and extended into said mold cavity of said mold piece, to form at least one bulge in  
10 said film, and to form at least one depression in the shoe sole.

13. The method as claimed in claim 10 further comprising forming at least one orifice in said mold piece and communicating with said mold cavity of said mold piece, to form at least one recess in said film, and to form at least one projection on the shoe sole.

14. The method as claimed in claim 1 further comprising  
15 providing and attaching an upper mold piece onto said mold piece to retain said film between said upper mold piece and said mold piece.